What is claimed is:

1. A stator winding method of an induction motor for a compressor, in which a main winding and a sub winding are wound through a plurality of slots formed on the stator, according to the method, the main winding and the sub winding being wound in a concentrated winding type with a regularity so that the main winding and the sub winding each pass through neighboring slots of the stator, wherein at least two slots, the main winding and the sub winding are overlapped.

2. A stator winding method of winding a main winding and a sub winding through eight (8) slots formed on a stator of a single phase-two polarity-eight slot type induction motor for a compressor, according to the method, the main winding and the sub winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring three (3) slots with reference to the initially entered slot, wherein at four stator slots, the main winding and the sub winding are overlapped.

3. The method of claim 2, wherein the main winding is inserted into the slot 2c and is then wound consecutively through the slots 3d, 3e, 4f, 4g, 5h, 6k, 7l, 7m, 8n, 8o and 1p, while the sub winding is inserted into the slot 4g and is then wound consecutively through the slots 5h, 5i, 6j, 6k, 7l, 8o, 1p, 1a, 1b, 2c and 3d.

4. The method of claim 3, wherein the main winding is wound between the slots 2c and 3d, the slots 3e and 4f, and the slots 4g and 5h in a ratio of 0.75:1:0.75

5. A stator winding method of winding a main winding and a sub winding through twelve (12) slots formed in a stator of a single phase-two polarity-twelve slot type induction motor for a compressor, according to the method, the main winding and the sub winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring five (5) slots with reference to the initially entered slot, wherein at eight (8) stator slots, the main winding and the sub winding are overlapped.

6. The method of claim 5, wherein the main winding is inserted into the slot 1a and is then wound consecutively through the slots 2b, 2c, 3d, 3e, 4f, 4g, 5h, 5i, 6j, 7m, 8n, 8o, 9p, 9q, 10r, 10s, 11t, 11u, and 12v, while the sub winding is inserted into the slot 4g and is then wound consecutively through the slots 5g, 5i, 6j, 6k, 7l, 7m, 8n, 8o, 9p, 10s, 11t, 11u, 12v, 12w, 1x, 1a, 2b, 2c, and 3d.

7. The method of claim 6, wherein the main winding is wound between the slots 1a and 2b, the slots 2c and 3d, the slots 3e and 4f, the slots 4g and 5h, and the slots 5i and 6j in a ratio of 0.35: 0.75:1:0.75:0.35.

8. A stator winding method of winding a main winding and a sub winding through sixteen (16) slots formed on a stator of a single phase-two polarity-sixteen slot type induction motor for a compressor, according to the method, the main winding and the sub winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring seven (7) slots with reference to the initially entered slot, wherein at twelve (12) stator slots, the main winding and the sub winding are

overlapped.

9 The method of claim 8, wherein the main winding is inserted into the slot 5i and is then wound consecutively through the slots 6j, 6k, 7l, 7m, 8n, 8o, 9p, 9q, 10r, 10s, 11t, 11u, 12v, 13y, 14z, 14a, 15b, 15c, 16d, 16e, 1f, 1a, 2b, 2c, 3d, 3e, and 4f, while the sub winding is inserted into the slot 1a and is then wound consecutively through the slots 2b, 2c, 3d, 3e, 4f, 4g, 5h, 5i, 6j, 6k, 7l, 7m, 8n, 9q, 10r, 10s, 11t, 11u, 12v, 12w, 13x, 13y, 14z, 14a, 15b, 15c, and 16d.

10. The method of claim 9, wherein the main winding is wound between the slots 5i and 6j, the slots 6k and 7l, the slots 7m and 8n, the slots 8o and 9p, the slots 9q and 10r, the slots 10s and 11t, and the slots 11u and 12v in a ratio of 0.35:0.54:0.75:1:0.75:0.54:0.35

11. A stator winding method of winding a main winding and a sub winding through sixteen (16) slots formed in a stator of a single phase-two polarity-sixteen slot type induction motor for a compressor, according to the method, the main winding and the sub winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring five (5) slots with reference to the initially entered slot, wherein at four stator slots, the main winding and the sub winding are overlapped.

12. The method of claim 11, wherein the main winding is inserted into the slot 6k and is then wound consecutively through the slots 7l, 7m, 8n, 8o, 9p, 9q, 10r, 10s, 11t, 14a, 15b, 15c, 16d, 16e, 1f, 1a, 2b, 2c, and 3d, while the sub winding is inserted into the slot 2c and is then wound consecutively through the slots 3d, 3e, 4f, 4g, 5h, 5i, 6j, 6k, 7l, 10s, 11t,

11u, 12v, 12w, 13x, 13y, 14z, 14a, and 15b.

13. The method of claim 12, wherein the main winding is wound between the slots 6k and 7l, the slots 8o and 9p, and the slots 10s and 11t in a ratio of 0.75:1:0.75.

14. A stator winding method of winding a main winding and a sub winding through twelve (12) slots formed in a stator of a single phase-four polarity-twelve slot type induction motor for a compressor, according to the method, the main winding and the sub winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring two (2) slots with reference to the initially entered slot, wherein at four stator slots, the main winding and the sub winding are overlapped.

15. The method of claim 14, wherein the main winding is inserted into the slot 1a and is then wound consecutively through the slots 2b, 2c, 3d, 4g, 5h, 5i, 6j, 7m, 8n, 8o, 9p, 10s, 11t, 11u, and 12v, while the sub winding is inserted into the slot 12w and is then wound consecutively though the slots 1x, 1a, 2b, 3e, 4f, 4g, 5h, 6k, 7l, 7m, 8n, 9q, 10r, 10s, and 11t.

16. A stator winding method of winding a main winding, a sub winding, and a speed control winding through twelve (12) slots formed in a stator of a three phase-two polarity-twelve slot type induction motor for a compressor, according to the method, the main winding, the sub winding and the speed control winding being wound with a regularity so that each is inserted into a predetermined slot and then is wound consecutively through neighboring three (3) slots with reference to the initially entered slot, wherein at two stator slots, the main winding and the sub winding are overlapped, at other two slots, the main

winding and the speed control winding are overlapped, and another two slots, the sub winding and the speed control winding are overlapped.

17. The method of claim 16, wherein the main winding is inserted into the slot 2c and is then wound consecutively through the slots 3d, 3e, 4f, 4g, 5h, 8o, 9p, 10r, 10s, and 11t, the sub winding is inserted into the slot 6k and is then passed consecutively through the slots 7l, 7m, 8n, 8o, 9p, 12w, 1x, 1a, 2b, 2c and 3d, while the speed control winding is inserted into the slot 4g and is then wound consecutively through the slots 5h, 5i, 6j, 6k, 7l, 10s, 11t, 11u, 12v, 12w and 1x.

18. The method of claim 17, wherein the main winding is wound between the slots 2c and 3d, the slots 3e and 4f, and the slots 4g and 5h in a ratio of 0.75:1:0.75.